



# UNITED STATES PATENT AND TRADEMARK OFFICE

Edh

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/802,579	03/17/2004	Sunil K. Sinha	SUNLIT-001	6550
7590		07/25/2005	EXAMINER	
Jaya Nair, Esq.		TSIDULKO, MARK		
7478 Stanford Place		ART UNIT		
Cupertino, CA 95014		PAPER NUMBER		
		2875		

DATE MAILED: 07/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)	
	10/802,579	SINHA, SUNIL K.	
	Examiner	Art Unit	
	Mark Tsidulko	2875	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 17 March 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 March 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)               | Paper No(s)/Mail Date. _____  |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>0514005 8/17/04</u>   | 6) <input type="checkbox"/> Other: _____                                    |

**DETAILED ACTION*****Drawings***

The drawings are objected to because reference character "117" that indicates the LEDs (page 7, line 9), represents a connector (same as character reference "115") on Fig.4. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

### ***Specification***

The disclosure is objected to because of the following informalities:

- a *connector* (page 7, line 11) and a *LED holder* (page 7, line 15), both indicated by the same reference character "115";
- detail designated by reference character "902" is not disclosed in the specification.

Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 3, 4, 9, 11, 12, 17 are rejected under 35 U.S.C. 102(b) as being anticipated by Tezuka et al. (US 4,841,278).

Referring to Claim 1 Tezuka et al. disclose (Fig. 7) self-illuminated device including a plurality of LEDs [4], a solar power source [2], a rechargeable battery (claim 1) and a light reflector [21] for reflecting the light emerging from the LEDs.

Referring to Claims 3, 11 Tezuka et al. disclose a reflective layer [21] (col. 11, line 38).

Referring to Claims 4, 12 Tezuka et al. disclose a rechargeable battery (claim 1).

Art Unit: 2875

Referring to Claim 1 Tezuka et al. disclose (Fig.7) self-illuminated device including a plurality of LEDs [4], a solar power source [2], a rechargeable battery (claim 1) and a light reflector [21] for reflecting the light emerging from the LEDs.

Referring to Claim 17 Tezuka et al. disclose (Fig.7) self-illuminated device including a plurality of LEDs [4], a solar power source [2], a rechargeable battery (claim 1) and a light reflector [21] for reflecting the light emerging from the LEDs.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 2, 5-8, 10, 13-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tezuka et al. (US 4,841,278) in view of Chang et al. (US 6,768,047).

Referring to Claims 2, 10 while Tezuka et al. does not disclose type of the LEDs, it will of course be understood for those skilled in the art of illumination, that any desired type of the LED, well known in the art, including bright white, may be used depending on necessity.

Referring to Claims 5-8, 13-16 Tezuka et al. discloses the instant claimed invention except for a charge controller.

Chang et al. disclose a charge controller that controls the charge and discharge modes (Abstract).

Art Unit: 2875

It would have been obvious to one having ordinary skill in the art, at the time the invention was made, to provide the charge controller, as taught by Ghang et al. for the device of Tezuka et al. in order to provide energy control.

Claim 18 is rejected under 35 U.S.C. 103(a) as being unpatentable over Tezuka et al. (US 4,841,278) in view of Molinaroli (US 6, 265,984).

Tezuka et al. discloses the instant claimed invention except for handle.

Molinaroli discloses (Fig.1) a LED display device having a handle.

It would have been obvious to one having ordinary skill in the art, at the time the invention was made, to provide the device of Tezuka et al. having handle, as taught by Molinaroli, in order to increase convenience of using.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark Tsidulko whose telephone number is (571)272-2384. The examiner can normally be reached on 8 - 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra O'Shea can be reached on (571) 272-2378. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306 for all communications.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications

Art Unit: 2875

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

M.T.

May 16, 2005

A handwritten signature in black ink, appearing to read "John Ward", with a stylized, cursive script.

**JOHN ANTHONY WARD  
PRIMARY EXAMINER**